ECS/EMD Configuration Change Request					Page 1 of Page(s)			e(s)	
1. Originator	2. Log Date:	3. CCR #:	4.	Rev:	5. Tel:	6. I	Rm #:	7. Org.	
Elizabeth O. Ajayi	7/7/04	04-0349		_	(301) 925-0507	300	00L	DEV/DDM	
8. CCR Title: Updating the Data Model Documentation with the TOMS/Earth Probe valid.									
9. Originator Signature/Date			10. Clas	Class 11. Type: 12. Need Date: 07/23/2004			07/23/2004		
Elizabeth O. Ajayi /s/ 7/6/04			II		CCR				
13. CCR Sponsor Signature/Date				of Change:	15. Priority: (If "Emergency"				
Arthur Cohen /s/ 7/6/04				Update ECS/EMD Baseline Doc fill in Block 27). Routine					
<u> </u>				nedule 18. Cl(s) Affected: ESDT, SDSRV, and DDICT					
19. Release Affected by this Change: 20. Date due									
6B N/A				None - Under 100K					
22. Source Reference: ⊠NCR (attach) □Action Item □Tech Ref. □GSFC □Other: ECSed38998									
23. Problem: (use additional Sheets if necessary) The following valids need to be added to the Data Model Documentation:									
PlatformLongName: "Earth Probe"									
(Listing continues on Additional Sheet)									
24. Proposed Solution: (use additional sheets if necessary) Request that DM post the attached sheet as an addendum to the 420-EMD-001 on the EDHS server.									
25. Alternate Solution: (use additional sheets if necessary) N/A									
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) The new valids will not be documented in the Data Model Documentation. The Documentation will be inconsistent with the implementation.									
27. Justification for Emergency (If Block 15 is "Emergency"): N/A									
28. Site(s) Affected: ☐ EDF ☐ PVC ☐ VATC ☐ EDC ☐ GSFC ☐ LaRC ☐ NSIDC ☐ SMC ☐ AK ☐ JPL ☐ EOC ☐ IDG Test Cell ☐ Other									
29. Board Comments:				30. Work Assigned To: 31. CCR Closed		losed Date:			
32. SCDV CCB Chair (Sign	/Date):	oisposition: A	oproved /	App/Co	om. Disapproved	Withdi	raw Fwo	/ESDIS ERB	
A. Abtahi /s/ 7/8/04		Fv	vd/ECS						
33. EDF CCB Chair (Sign/D	Date): D		proved App/Com. Disapproved Withdraw Fwd/ESDIS ERB						
34. ECS CCB Chair (Sign/I)ate)· Di			nn/Cor	m Disannroved	Withdr	raw Fwo	I/ESDIS ERR	
The Local Colonial Colonial	- L. C. J.	•	Position: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS						

CM01JA00 Revised 10/2/03 ECS/EDF/SCDV

ADDITIONAL SHEET

CCR #: 04-0349 Rev: — Originator: Elizabeth O. Ajayi

Telephone: 301-925-0507 **Office:** 3000L

Title of Change: Updating the Data Model Documentation with the TOMS/Earth Probe valid.

PlatformShortName: "Farth Probe"

Additional modifications to the Conceptual Data Model Diagram.

The following corrections need to be made:

- 1) Within the Conceptual Data Model Diagram on page 2-6 Figure 2-3 Data Originator:
 - a) The Platform and Instrument tables should have a one to many relationship.
 - b) The Instrument and Sensor tables should have a one to many relationship.
- c) The Instrument and OperationModeClass tables should have a one to many relationship with OperationModeClass dependent on Instrument.
- d) The relationship between PlatformCharacteristic and PlatformCharacteristicValueClass should be a one to one relationship with PlatformCharacteristicValueClass dependent on PlatformCharacteristic.
- e) The relationship between InstrumentCharacteristic and InstrumentCharacteristicValueClass should be a one to one relationship with InstrumentCharacteristicValueClass dependent on InstrumentCharacteristic.
- f) The relationship between SensorCharacteristic and SensorCharacteristicValueClass should be a one to one relationship with SensorCharacteristicValueClass dependent on SensorCharacteristic.
- 2) Within the Conceptual Data Model Diagram on page 2-7 Figure 2-4 ECSCollection:
 - a) There should not be a direct relationship between ECSCollection and ECSParameter.
 - b) The relationship between ECSCollection and TemporalKeywordClass should be a one to many relationship.
 - c) The relationship between AdditionalAttributes and PhysicalParameterDetails should be a one to one relationship.
- 3) Within the Conceptual Data Model Diagram on page 2-8 Figure 2-5 ECSDataGranule:
 - a) The relationship between ECSDataGranule and Browse should be a many to many relationship.
 - b) The relationship between InputGranule and ECSDataGranule should be a many to one relationship.
 - c) The relationship between QAGranule and ECSDataGranule should be a many to many relationship.
- 4) Within the Conceptual Data Model Diagram on page 2-9 Figure 2-6 LocalitySpatial:
- a) The relationship between CoordinateSystemContainer and Spatial should be a one to one relationship with CoordinateSystemContainer dependent on Spatial.
- b) The relationship between Spatial and SpatialDomainContainer should be a one to one relationship with SpatialDomainContainer dependent on Spatial.
- c) The relationship between SpatialDomainContainer and VerticalSpatialDomain should be a one to many relationship with VerticalSpatialDomain dependent on SpatialDomainContainer.
- d) The relationship between CoordinateSystemContainer and VerticalCoordinateSystemContainer should be a one to one relationship with VerticalCoordinateSystemContainer dependent on CoordinateSystemContainer.
- 5) Within the Conceptual Data Model Diagram on page 2-10 Figure 2-7 LocalityTemporal:
 - a) The TemporalType table should be taken out.
- b) The RegularPeriodic, MultipleDateTimePeriod, SingleDateTime, and RangeDateTime tables should be child entities to the Temporal table.
- 6) Within the Conceptual Data Model Diagram on page 2-11 Figure 2-8 Contact:
 - a) There is no direct relationship between ContactOrganization and ContactPerson.
- 7) Within the Conceptual Data Model Diagram on page 2-12 Figure 2-9 DeliveredAlgorithmPackage:
 - a) The relationship between DAP and PGEGroups should be a one to many relationship with PGEGroups dependent on DAP.

CM01AJA00 Revised 10/2/03 ECS/EMD